

## UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification									Date: June 2001	
APPROPRIATION/BUDGET ACTIVITY RDT&E, DEFENSE-WIDE, BUDGET ACTIVITY 6					R-1 ITEM NOMENCLATURE Unexploded Ordnance Detection & Clearance - PE 0603858D8Z					
COST (\$ in Millions)	FY 2000	FY 2001	FY 2002						Cost to Complete	Total Cost
Total PE Cost	1.188	1.194	1.165						Continuing	Continuing
Program Specifics										

  

A. Mission Description and Budget Item Justification.

This program element funds the Joint Unexploded Ordnance Coordination Office (JUXOCO) of the Unexploded Ordnance Center of Excellence (UXOCOE) to develop policy and provide oversight in coordinating requirements and technology in detection and clearance of unexploded ordnance (UXO) within the Department of Defense (DoD), as well as with other United States and international agencies, academia, and industry; to establish and maintain standards for testing, modeling, and the evaluation of unexploded ordnance detection and clearance technology; and to establish, gather, and maintain a database of the results of these efforts.

In response to a request from the House National Security Committee (HNSC) and concerns of the General Accounting Office (GAO), the Department of Defense submitted a plan in March 1997, "Report to Congress: Unexploded Ordnance Clearance: A Coordinated Approach to Requirements and Technology Development." This report was developed by a joint, inter-agency task force comprised of the proponents of the unexploded ordnance (UXO) clearance mission areas (active range clearance, humanitarian demining, countermines, explosive ordnance disposal, and environmental remediation). The report defined research and development priorities, program management, and cooperative activities for technology applicable to area ordnance clearance, also known as UXO clearance. The report also described a plan to maintain visibility over and leverage technology efforts within DoD, at other government agencies, and in private industry for the detection, neutralization, and disposal of UXO. In May 1997, the Under Secretary of Defense for Acquisition and Technology directed the establishment of the UXO Center of Excellence (UXOCOE) to implement this plan, and in October 1997, the Department established the operational arm of the UXOCOE, the Joint UXO Coordination Office (JUXOCO), which is collocated with the Night Vision Electronic Sensors Directorate at Ft. Belvoir, VA.

  

(U) FY 2000 Accomplishments

- Fully integrated industry requirements for UXO clearance equipment into UXO requirements process. (\$0.100 Million)
- Established protocols for evaluation of foreign UXO detection sensor data. (\$0.100 million)
- Collocated two UXO experimental areas with existing UXO testing areas. Conducted scientific experiments to gather data on the performance of detection sensors at these locations. (\$0.888 million)
- Updated and maintained the UXO clearance/detection database and computer website to promote interaction

UNCLASSIFIED

## UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification	Date: June 2001
<p>and sharing of information, concepts and technology within DoD and with other US and international agencies, academia, and industry. (\$0.100 Million)</p> <p>(U) <u>FY 2001 Plans</u></p> <ul style="list-style-type: none"> <li>• Conduct requirements and technology workshops to coordinate and improve the efficiency of technological thrusts for DoD UXO RDT&amp;E. (\$0.120 million)</li> <li>• Coordinate / collect UXO RDT&amp;E information by attending external conferences, seminars and workshops. (0.080 million)</li> <li>• Analyze UXO RDT&amp;E data and information collected during requirements and technology workshops, which include: Resource Managers Meeting, Multi-University Research Initiatives (MURI) Conference, ESTCP/SERDP Conference, Joint Robotics Program Workshops, etc. (\$0.100 million)</li> <li>• Generate an Annual UXO Clearance Report focused on the coordination of all UXO RDT&amp;E efforts among five mission areas (Explosive Ordnance Disposal, Humanitarian Demining, Countermines, UXO-Environmental Remediation, and Active Range Clearance). (0.238 million)</li> <li>• Analyze worldwide efforts in UXO RDT&amp;E to expand JUXOCO's frame of reference into potential solutions. (0.100 million)</li> <li>• Continue to update and maintain the UXO clearance / detection databases and computer web site to promote interaction and sharing of information, concepts and technology within DoD, and with other US and international agencies, academia, and industry. (0.100 million)</li> <li>• Integrate international and industrial research and equipment into an expanded computerized database of UXO RDT&amp;E to enhance information sharing. (0.100 million)</li> <li>• Promote industry and academic involvement (both US and foreign) in UXO clearance RDT&amp;E. (0.100 million)</li> <li>• Coordinate standardized scientific experiments to gather data on the performance of detection sensors at JUXOCO's pilot site located at Ft. A.P. Hill. (0.156 million)</li> <li>• Collect, analyze and post detection sensor data on the web site for dissemination and use by researchers in detection, signal processing, and algorithm development. (0.100 million)</li> </ul> <p>(U) <u>FY 2002 Plans</u></p> <ul style="list-style-type: none"> <li>• Conduct requirements and technology workshops to coordinate and improve the efficiency of technological thrusts for DoD UXO RDT&amp;E. (\$0.120 million)</li> <li>• Coordinate / collect UXO RDT&amp;E information by attending external conferences, seminars and workshops. (0.080 million)</li> <li>• Analyze UXO RDT&amp;E data and information collected during requirements and technology workshops, which include: Resource Managers Meeting, Multi-University Research Initiatives (MURI) Conference, ESTCP/SERDP Conference, Joint Robotics Program Workshops, etc. (\$0.100 million)</li> </ul>	

UNCLASSIFIED

## UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification				Date: June 2001
<ul style="list-style-type: none"><li>• Generate an Annual UXO Clearance Report focused on the coordination of all UXO RDT&amp;E efforts among five mission areas (Explosive Ordnance Disposal, Humanitarian Demining, Countermine, UXO-Environmental Remediation, and Active Range Clearance). (0.200 million)</li><li>• Analyze worldwide efforts in UXO RDT&amp;E to expand JUXOCO's frame of reference into potential solutions. (0.100 million)</li><li>• Continue to update and maintain the UXO clearance / detection databases and computer web site to promote interaction and sharing of information, concepts and technology within DoD, and with other US and international agencies, academia, and industry. (0.100 million)</li><li>• Integrate international and industrial research and equipment into an expanded computerized database of UXO RDT&amp;E to enhance information sharing. (0.100 million)</li><li>• Promote industry and academic involvement (both US and foreign) in UXO clearance RDT&amp;E. (0.100 million)</li><li>• Coordinate standardized scientific experiments to gather data on the performance of detection sensors at JUXOCO's pilot site located at Ft. A.P. Hill. (0.165 million)</li><li>• Collect, analyze and post detection sensor data on the web site for dissemination and use by researchers in detection, signal processing, and algorithm development. (0.100 million)</li></ul>				
B. <u>Program Change Summary</u> (\$ million)				
	<u>FY2000</u>	<u>FY2001</u>	<u>FY2002</u>	<u>Total</u>
Previous President's Budget Submit	1.226	1.204	1.165	<u>Cost</u>
Appropriated Value				Continuing
Adjustments to Appropriated Value				
a. Congressionally Directed				
Appropriation Reduction		(0.008)		
b. Congressionally Directed				
Undistributed Reduction				
c. Program Adjustment	(0.038)	(0.002)		Continuing
Current Budget Submit/President's Budget	1.188	1.194	1.165	Continuing
Change Summary Explanation:				
Funding:	N/A			
Schedule:	N/A			
Technical:	N/A			
C. <u>Other Program Funding Summary</u>				
Not Applicable				

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification	Date: June 2001
<p>D. <u>Acquisition Strategy</u></p> <p>Not Applicable</p> <p>E. <u>Schedule Profile</u></p> <p>Not Applicable</p>	

UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification	Date: June 2001